


FORM PTO-1449	Atty. Docket No.: M61.12-0577	Appl. No.: 10/722,937
<p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p> 	First Named Inventor:	
	Trausti Kristjansson et al.	
	Filing Date	Group Art:
	November 26, 2003	2654

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
HV	AA	09/999,576	11/15/01	Attias et al.		
	AB	5,148,489	09/1992	Erell et al.	704	226
	AC	5,924,065	07/1999	Eberman et al.	704	231
	AD	6,026,359	02/2000	Yamaguchi et al.	704	256
	AE	6,067,517	05/2000	Bahl et al.	704	256
	AF	6,188,976	02/2001	Ramaswamy et al.	704	9
	AG	6,202,047	03/2001	Ephraim et al.	704	256
	AH	6,633,842	10/2003	Gong, Yifan	704	233
HV	AI	09/812,524	03/20/01	Acero et al.		

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

HV	AJ	A.P. Varga and R.K. Moore, "Hidden Markov Model Decomposition of Speech and Noise," in Proceedings of the International Conference on Acoustics, Speech and Signal Processing, IEEE Press., pp. 845-848 (1990).
	AK	S. Boll, "Suppression of Acoustic Noise in Speech Using Spectral Subtraction," IEEE Transactions on Acoustics, Speech and Signal Processing, Vol. 27, pp. 114-120 (1979).
	AL	L. Deng, A. Acero, M. Plumpe & X.D. Huang, "Large-Vocabulary Speech Recognition Under Adverse Acoustic Environments," in Proceedings of the International Conference on Spoken Language Processing, pp. 806-809 (October 2000).
	AM	A. Acero, L. Deng, T. Kristjansson and J. Zhang, "HMM Adaptation Using Vector Taylor Series for Noisy Speech Recognition," in Proceedings of the International Conference on Spoken Language Processing, pp. 869-872 (October 2000).
	AN	Y. Ephraim, "Statistical-Model-Based Speech Enhancement Systems," Proc. IEEE, 80(10):1526-1555 (1992).
HV	AO	M.S. Brandstein, "On the Use of Explicit Speech Modeling in Microphone Array Application," In Proc. ICASSP, pp. 3613-3616 (1998).


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Hansen X, Vb

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4/20/07

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FORM PTO-1449	Atty. Docket No.: M61.12-0577	Appl. No.: <del>02/010,834</del>
<div style="text-align: center;"> <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p>  </div>	First Named Inventor: <b>10/722937</b> <b>HV</b>	
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	Filing Date	Group Art:
	March 20, 2001	2644

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

HV	AP	A. Dembo and O. Zeitouni, "Maximum A Posteriori Estimation of Time-Varying ARMA Processes from Noisy Observations," IEEE Trans. Acoustics, Speech and Signal Processing, 36(4): 471-476 (1988).
	AQ	P. Moreno, "Speech Recognition in Noisy Environments," Carnegie Mellon University, Pittsburgh, PA, pp. 1-130 (1996).
	AR	B. Frey, "Variational Inference and Learning in Graphical Models," University of Illinois at Urbana, 6 pages (undated).
	AS	Y. Ephraim and R. Gray, "A Unified Approach for Encoding Clean and Noisy Sources by Means of Waveform and Autoregressive Model Vector Quantization," IEEE Transactions on Information Theory, Vol. 34, No. 4, pp. 826-834 (July 1988).
	AT	Y. Ephraim, "A Bayesian Estimation Approach for Speech Enhancement Using Hidden Markov Models," IEEE Transactions on Signal Processing, Vol. 40, No. 4, pp. 725-735 (April 1992).
	AU	"Noise Reduction" downloaded from <a href="http://www.ind.rwth-aachen.de/research/noise_reduction.html">http://www.ind.rwth-aachen.de/research/noise_reduction.html</a> , pp. 1-11 (10/3/01).
	AV	A. Acero, "Acoustical and Environmental Robustness in Automatic Speech Recognition," Department of Electrical and Computer Engineering, pp. 1-141 (September 13, 1990).
	AW	B. Frey et al., "ALGONQUIN: Iterating Laplace's Method to Remove Multiple Types of Acoustic Distortion for Robust Speech Recognition," In Proceedings of Eurospeech, 4 pages (2001).
	AX	R. Neal and G. Hinton, "A View of the EM Algorithm that Justifies Incremental, Sparse, and Other Variants," pp. 1-14 (undated).
	AY	J. Lim and A. Oppenheim, "All-Pole Modeling of Degraded Speech," IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-26, No. 3, pp. 197-210 (June 1978).
	AZ	M. Seltzer, J. Droppo, and A. Acero, "A Harmonic-Model-Based Front End for Robust Speech Recognition," Eurospeech, 2003.
	BA	J. Tabrikian, S. Dubnov, and Y. Dickalov, "Speech Enhancement by Harmonic Modeling Via Map Pitch Tracking," In Proc. of ICASSP, pp. 549-552, 2002.
	BB	B.J. Frey, T. Kristjansson, L. Deng, and A. Acero, "Learning Dynamic Noise Models from Noisy Speech for Robust Speech Recognition," Advances in Neural Information Processing (NIPS), 2001.
HV	BC	T. Kristjansson, Speech Recognition in Adverse Environments: A Probabilistic Approach, Ph.D. thesis, University of Waterloo, Ontario, Canada, April 2002.

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